Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	04/16/2018 10:58 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/18/2017 09:13 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124057	-1	2.41	123987	2.37
Blue	F	SSC	125000	124101	-1	4.03	124420	3.79
Blue	E	FITC	23615	22785	-4	3.26	1019	11.01
Blue	D	PE	26739	26220	-2	2.89	941	10.86
Blue	B	PerCP-Cy5-5	48339	47336	-3	4.22	1368	18.31
Blue	A	PE-Cy7	45021	44627	-1	5.85	692	38.22
Red	C	APC	53064	52023	-2	3.00	2967	9.72
Red	A	APC-Cy7	57175	56460	-2	2.98	1190	11.83
Violet	B	V450	14728	14093	-5	4.36	671	9.77
Violet	A	V500	58621	57436	-3	4.11	2537	6.86

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19054	3.43	616	2	N/A	N/A	Pass
Blue	F	SSC	61080	2.37	563	17	N/A	N/A	Pass
Blue	E	FITC	112	42.87	552	4	0.0188	248	Pass
Blue	D	PE	204	32.40	544	8	0.1379	272	Pass
Blue	B	PerCP-Cy5-5	212	49.11	644	9	0.0086	110	Pass
Blue	A	PE-Cy7	71	137.07	703	10	0.0103	24	Pass
Red	C	APC	337	28.83	601	4	0.0196	70	Pass
Red	A	APC-Cy7	130	41.41	584	4	0.0047	1294	Pass
Violet	B	V450	82	48.27	465	-5	0.0436	2701	Pass
Violet	A	V500	185	27.65	493	-4	0.0134	1496	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.25	-30.75	0.96
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.35
Red	16.57	14.40 - 21.60	N/A	N/A	30.56	31.10	1.17

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 9568

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments